

Notice of Allowability

Application No.

10/508,832

Applicant(s)

YONEDA ET AL.

Examiner

Art Unit

Tan Ho

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the pre-amendment filed on 9/23/2004.
2. ☒ The allowed claim(s) is/are 13-22.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date 9/23/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.


TAN HO
PRIMARY EXAMINER

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

- Figure 19 should be labeled --Prior Art--.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

Claim 13 recites a high frequency module comprising a first main waveguide, a first T-branch circuit connected to the first main waveguide, a first low pass filter connected to the first T-branch circuit for transmitting a first frequency band and reflecting a second frequency band, a band pass filter connected to the first T-branch circuit for transmitting the second frequency band and reflecting the first frequency band, a first converter connected to the first low pass filter, an amplifier connected to the first converter, a second converter connected to the amplifier, a second low pass filter connected to the second converter for transmitting a first frequency band and reflecting a second frequency band, a second T-branch circuit connected to the second low pass filter and the band pass filter, and a second main waveguide connected to the second T-branch circuit.

Claim 15 recites a high frequency module comprising a first main waveguide, a first T-branch circuit connected to the first main waveguide, a first band pass filter

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connected to the first T-branch circuit for transmitting a first frequency band and reflecting a second frequency band, a second band pass filter connected to the first T-branch circuit for transmitting the second frequency band and reflecting the first frequency band, a first converter connected to the first band pass filter, an amplifier connected to the first converter, a second converter connected to the amplifier, a third band pass filter connected to the second converter for transmitting a first frequency band and reflecting a second frequency band, a second T-branch circuit connected to the second low pass filter and the band pass filter, and a second main waveguide connected to the second T-branch circuit.

Claim 16 recites a high frequency module comprising a first main waveguide, a first T-branch circuit connected to the first main waveguide, a first band pass filter connected to the first T-branch circuit for transmitting a first frequency band and reflecting a second frequency band, a second band pass filter connected to the first T-branch circuit for transmitting the second frequency band and reflecting the first frequency band, a first converter connected to the first band pass filter, an amplifier connected to the first converter, a second converter connected to the amplifier, a third band pass filter connected to the second converter for transmitting a first frequency band and reflecting a second frequency band, a first bend connected to the second band pass filter, a second bend connected to the first bend, a fourth band pass filter connected to the second bend, a second d T-branch circuit connected to the second low pass filter and the band pass filter, and a second main waveguide connected to the second T-branch circuit.

None of the prior arts shows or suggest these frequency modules.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan Ho whose telephone number is (571) 272-1822. The examiner can normally be reached on M-F (8:00AM - 5:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


TAN HO
PRIMARY EXAMINER